

MAY 10 2002

U.S. Department of Commerce
Patent and Trademark Office

Attorney Docket No.: UCSD-04765

Serial No.: 09/673,222

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Use Several Sheets If Necessary)Applicant: Ronald D. Vale *et al.*

(37 CFR § 1.98(b))

Filing Date: 10/13/00

Group Art Unit: 1642

U.S. PATENT DOCUMENTS

Examiner initials	Cite No.	Serial / Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date
amh	1	3,817,837	6/18/74	Rubenstein <i>et al.</i>	—	—	
	2	3,850,752	11/26/74	Schuurs <i>et al.</i>	—	—	
	3	3,939,350	2/17/76	Kronick <i>et al.</i>	—	—	
	4	3,996,345	12/7/76	Ullman <i>et al.</i>	—	—	
	5	4,277,437	7/7/81	Maggio	—	—	MAY 18 2002
	6	4,275,149	6/23/81	Litman <i>et al.</i>	—	—	TECH CENTER 1600/2800
	7	4,366,241	12/28/82	Tom <i>et al.</i>	—	—	
	8	5,010,175	4/23/91	Rutter <i>et al.</i>	—	—	
	9	5,288,514	2/22/94	Ellman	—	—	
	10	5,539,083	7/23/96	Cook <i>et al.</i>	—	—	
	11	5,593,853	1/14/97	Chen <i>et al.</i>	—	—	
	12	5,569,588	10/29/96	Ashby <i>et al.</i>	—	—	
	13	5,549,974	8/27/96	Holmes	—	—	
	14	5,525,735	6/11/96	Gallop <i>et al.</i>	—	—	
	15	5,519,134	5/21/96	Acevedo <i>et al.</i>	—	—	
	16	5,506,337	4/9/96	Summerton <i>et al.</i>	—	—	
	17	5,559,410	9/24/96	Papazian <i>et al.</i>	—	—	
	18	5,585,639	12/17/96	Dorsel <i>et al.</i>	—	—	
	19	5,576,220	11/19/96	Hudson <i>et al.</i>	—	—	
▼	20	5,541,061	7/30/96	Fodor <i>et al.</i>	—	—	
▼	21	4,458,066	7/3/84	Caruthers <i>et al.</i>	—	—	

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		Document Number	Publication Date	Country / Patent Office	Class	Subclass	Translation	
							Yes	No
amh	22	WO 91/19735	12/26/91	PCT	—	—		
	23	WO 93/20242	10/14/93	PCT	—	—		
	24	WO 92/00091	1/9/92	PCT	—	—		
▼	25	WO 97/00271	1/3/97	PCT	—	—		

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

amh	26	Vale and Kreis, 1993, Guidebook to the Cytoskeletal and Motor Proteins, NY, Oxford University Press
	27	Alberts <i>et al.</i> , 1994, <i>Molecular Biology of the Cell</i> , pp. 788-858
	28	Goldstein (1993) "With Apologies to Scheherazade: Tails of 1001 Kinesin Motors," Ann. Rev. Genetics 27:319-351;
▼	29	Mooseker and Cheney (1995) "Unconventional Myosins," Annu. Rev. Cell Biol. 11:633-675;

Examiner: amharris

Date Considered: 28 November 2002

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <small>(Use Several Sheets If Necessary)</small> <small>(37 CFR § 1.98(b))</small>		Attorney Docket No.: UCSD-04765	
		Serial No.: 09/673,222	
		Applicant: Ronald D. Vale <i>et al.</i>	
		Filing Date: 10/13/00	Group Art Unit: 16481
OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)			
<p>AMVA</p> <p>30 Turner <i>et al.</i> (1996) "Kinesin Movement on Glutaraldehyde-Fixed Microtubules," <i>Anal. Biochem.</i> 242(1):20-25</p> <p>31 Gittes <i>et al.</i> (1996) "Directional Loading of the Kinesin Motor Molecule as it Buckles a Microtubule," <i>Biophys. J.</i> 70(1):187-198</p> <p>32 Shirakawa <i>et al.</i> (1995) "The Mode of ATP-Dependent Microtubule-Kinesin Sliding in the Auxotonic Condition," <i>J. Exp. Biol.</i> 198:1809-15</p> <p>33 Winkelmann <i>et al.</i> (1995) "Flexibility of Myosin Attachment to Surfaces Influences F-Actin Motion," <i>Biophys. J.</i> 68:2444-53</p> <p>34 Winkelmann <i>et al.</i> (1995) "Motility Assays Using Myosin Attached to Surfaces through Specific Binding to Monoclonal Antibodies," <i>Biophys. J.</i> 68:72S</p> <p>35 Batzer <i>et al.</i> (1991) "Enhanced evolutionary PCR using oligonucleotides with inosine at the 3-terminus," <i>Nucl. Acid Res.</i> 19:5081</p> <p>36 Ohtsuka <i>et al.</i> (1985) "An Alternative Approach to Deoxyoligonucleotides as Hybridization Probes by Insertion of Deoxyinosine at Ambiguous Codon Positions," <i>J. Biol. Chem.</i> 260:2605-2608</p> <p>37 Rossolini <i>et al.</i> (1994) "Use of deoxyinosine-containing primers vs degenerate primers for polymerase chain reaction based on ambiguous sequence information," <i>Mol. Cell. Probes</i> 8:91-98</p> <p>38 Smith and Waterman (1981) "Comparison of Biosequences," <i>Adv. Appl. Math.</i> 2:482</p> <p>39 Needleman & Wunsch (1970) "A General Method Applicable to the Search for Similarities in the Amino Acid Sequence of Two Proteins," <i>J. Mol. Biol.</i> 48:443</p> <p>40 Pearson & Lipman (1988) "Improved tools for biological sequence comparison," <i>Proc. Natl. Acad. Sci. USA</i> 85:2444</p> <p>41 Feng & Doolittle (1987) "Progressive Sequence Alignment as a Prerequisite to Correct Phylogenetic Trees," <i>J. Mol. Evol.</i> 25:351-360</p> <p>42 Higgins & Sharp (1989) "Fast and sensitive multiple sequence alignments on a microcomputer," <i>CABIOS</i> 5:151-153</p> <p>43 Altschul <i>et al.</i> (1990) "Basic Local Alignment Search Tool," <i>J. Mol. Biol.</i> 215:403-410</p> <p>44 Henikoff & Henikoff (1989) "Amino acid substitution matrices from protein blocks," <i>Proc. Natl. Acad. Sci. USA</i> 89:10915</p> <p>45 Karlin & Altschul (1993) "Applications and statistics for multiple high-scoring segments in molecular sequences," <i>Proc. Natl. Acad. Sci. USA</i> 90:5873-5787</p> <p>46 Tijssen (1993) in <i>Laboratory Techniques in Biochemistry and Molecular Biology -- Hybridization with Nucleic Acid Probes</i>, Part I, Chapter 2, A overview of principles of hybridization and the strategy of nucleic acid probe assays, Elsevier, NY</p> <p>47 Sambrook <i>et al.</i> (1989) <i>Molecular Cloning. A Laboratory Manual</i>, 2nd ed., Vols. 1-3, Cold Spring Harbor Laboratory, Cold Spring Harbor Press, NY</p> <p>48 Genbank Accession No. AF052191, <i>March 5, 2001</i>.</p> <p>49 Genbank Accession No. L25423, <i>March 3, 1994</i>.</p> <p>50 Genbank Accession No. X66400, <i>August 17, 1994</i>.</p> <p>51 Genbank Accession No. M83138, <i>July 13, 1993</i>.</p> <p>52 Genbank Accession No. M58676</p> <p>53 Genbank Accession No. X15652</p> <p>54 Genbank Accession No. AF052433</p> <p>55 Genbank Accession No. AF052432</p> <p>56 Genbank Accession No. U80191</p> <p>57 Genbank Accession No. P49695</p> <p>58 Stites and Terr (1991) in <i>Basic and Clinical Immunology</i>, 7th ed., Appleton & Lange, Norwalk, Connecticut</p> <p>59 Maggio (1980) in <i>Enzyme Immunoassay</i>, CRC Press, Boca Raton, FL</p>			
Examiner: AMVA		Date Considered: 00 November 2002	
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

MAY 10 2002

O P E
PATENT & TRADEMARK OFFICE
U.S. Department of Commerce
Patent and Trademark Office

FORM PTO-1449 (Modified)		Attorney Docket No.: UCSD-04765	Serial No.: 09/673,222
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use Several Sheets If Necessary) (37 CFR § 1.98(b))		Applicant: Ronald D. Vale <i>et al.</i>	
		Filing Date: 10/13/00	Group Art Unit: 1648
OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)			
60	Tijssen (1985) "Practice and Theory of Enzyme Immunoassays," in <i>Laboratory Techniques in Biochemistry and Molecular Biology</i> , Elsevier Science Publishers, B.V. Amsterdam		
61	Kodama <i>et al.</i> (1986) "The Initial Phosphate Burst in ATP Hydrolysis by Myosin and Subfragment-1 as Studied by a Modified Malachite Green Method for Determination of Inorganic Phosphate," <i>J. Biochem.</i> 99:1465-1472		
62	Collioud <i>et al.</i> (1993) "Oriented and Covalent Immobilization of Target Molecules to Solid Supports: Synthesis and Application of a Light-Activatable and Thiol-Reactive Cross-Linking Reagent," <i>Bioconjugate Chem.</i> 4:528-536		
63	Schuhmann <i>et al.</i> (1991) "Immobilization of Enzymes on Langmuir-Blodgett Films via a Membrane-Bound Receptor. Possible Applications for Amperometric Biosensors," <i>Adv. Mater.</i> 3:388-391		
64	Lu <i>et al.</i> (1995) "Oriented Immobilization of Fab' Fragments on Silica Surfaces," <i>Anal. Chem.</i> 67:83-87		
65	Iwane <i>et al.</i> (1997) "Myosin Subfragment-1 Is Fully Equipped with Factors Essential for Motor Function," <i>Biophys. Biochem. Res. Comm.</i> 230:76-80		
66	Ng <i>et al.</i> (1995) "Engineering Protein - Lipid Interactions: Targeting of Histidine-Tagged Proteins to Metal-Chelating Lipid Monolayers," <i>Langmuir</i> 11:4048-4055		
67	Schmitt <i>et al.</i> (1996) "Specific Proteins Docking to Chelator Lipid Monolayers Monitored by FT-IR Spectroscopy at the Air-Water Interface," <i>Agnew. Chem. Int. Ed. Engl.</i> 35:317-320		
68	Frey <i>et al.</i> (1996) "Two-dimensional protein crystallization via metal-ion coordination by naturally occurring surface histidines," <i>Proc. Natl. Acad. Sci. USA</i> 93:4937-4941		
69	Kubalek <i>et al.</i> (1994) "Two-Dimensional Crystallization of Histidine-Tagged, HIV-1 Reverse Transcriptase Promoted by a Novel Nickel-Chelating Lipid," <i>J. Struct. Biol.</i> 113:117-123		
70	Sigal <i>et al.</i> (1996) "A Self-Assembled Monolayer for the Binding and Study of Histidine-Tagged Proteins by Surface Plasmon Resonance," <i>Anal. Chem.</i> 68:490-497		
71	Gallopp <i>et al.</i> (1994) "Applications of Combinatorial Technologies to Drug Discovery. 1. Background and Peptide Combinatorial Libraries," <i>J. Med. Chem.</i> 37(9):1233-1251		
72	Furka (1991) "General method for rapid synthesis of multicomponent peptide mixtures," <i>Int. J. Pept. Prot. Res.</i> 37:487-493		
73	Houghten <i>et al.</i> (1991) "Generation and use of synthetic peptide combinatorial libraries for basic research and drug discovery," <i>Nature</i> 354:84-88		
74	DeWitt <i>et al.</i> (1993) "'Diversomers': An approach to nonpeptide, nonoligomeric chemical diversity," <i>Proc. Natl. Acad. Sci. USA</i> 90:6909-6913		
75	Hagihara <i>et al.</i> (1992) "Vinylogous Polypeptides: An Alternative Peptide Backbone," <i>J. Amer. Chem. Soc.</i> 114:6568		
76	Hirschmann <i>et al.</i> (1992) "Nonpeptidal Peptidomimetics with a β -D-Glucose Scaffolding. A Partial Somatostatin Agonist Bearing a Close Structural Relationship to a Potent, Selective Substance P Antagonist," <i>J. Amer. Chem. Soc.</i> 114:9217-9218		
77	Chen <i>et al.</i> (1994) "Analogous" Organic Synthesis of Small-Compound Libraries: Validation of Combinatorial Chemistry in Small-Molecule Synthesis," <i>J. Amer. Chem. Soc.</i> 116:2661		
78	Cho <i>et al.</i> (1993) "An Unnatural Biopolymer," <i>Science</i> 261:1303		
79	Campbell <i>et al.</i> (1994) "Phosphonate Ester Synthesis Using a Modified Mitsunobu Condensation," <i>J. Org. Chem.</i> 59:658		
80	Gordon <i>et al.</i> (1994) "Applications of Combinatorial Technologies to Drug Discovery. 2. Combinatorial Prgamoc Synthesis, Library Screening Strategies, and Future Directions," <i>J. Med. Chem.</i> 37:1386		
81	Vaughan <i>et al.</i> (1996) "Human Antibodies with Sub-nanomolar Affinities Isolated from a Large Non-immunized Phage Display Library," <i>Nature Biotechnology</i> 14(3):309-314		
82	Liang <i>et al.</i> (1996) "Parallel Synthesis and Screening of a Solid Phase Carbohydrate Library," <i>Science</i> 274:1520-1522		
Examiner: <i>Amstarris</i>		Date Considered: <i>8/17/2002</i>	
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

MAY 10 2002

FORM PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No.: UCSD-04765 RECEIVED Ref. No.: 09/675,222
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use Several Sheets If Necessary)		Applicant: Ronald D. Vale <i>et al.</i>	Group Art Unit: 1642 TECH CENTER 1600/2900
(37 CFR § 1.98(b))		Filing Date: 10/13/00	10/13/00
83	Baum (1993) "Solid-phase synthesis of benzodiazepines," C&EN, Jan. 18, pp. 33-34		
84	Morejohn <i>et al.</i> (1985) "Inhibition of Plant Cell Proteolytic Activities that Degrade Tubulin," Cell Biol. Int. Rep. 9(9):849-857		
85	Bokros <i>et al.</i> (1993) "Characterization of the Reversible Taxol-Induced Polymerization of Plant Tubulin into Microtubules," Biochem. 32(13):3437-3447		
86	Hyman <i>et al.</i> (1991) "Preparation of Modified Tubulins," Meth. Enzymol. 196:478-485		
87	Belmont <i>et al.</i> (1990) "Real-Time Visualization of Cell Cycle-Dependent Changes in Microtubule Dynamics in Cytoplasmic Extracts," Cell 62:579-589		
88	Walczak <i>et al.</i> (1996) "XKCM1: A Xenopus Kinesin-Related Protein That Regulates Microtubule Dynamics during Mitotic Spindle Assembly," Cell 84:37-47		
89	Vale (1991) "Severing of Stable Microtubules by a Mitotically Activated Protein in Xenopus Egg Extracts," Cell 64:827-839		
90	Shiina <i>et al.</i> (1994) "Microtubule Severing by Elongation Factor 1 α ," Science 266:282-285		
91	Shiina <i>et al.</i> (1992) "A novel homo-oligomeric protein responsible for an MPF-dependent microtubule-severing activity," EMBO J. 11:4723-4731		
92	McNally and Vale (1993) "Identification of Katanin, an ATPase That Severs and Disassembles Stable Microtubules," Cell 75:419-429		
93	McNally <i>et al.</i> (1996) "Katanin, the microtubule-severing ATPase, is concentrated at centrosomes," J. Cell Sci. 109:561-567		
94	Mitchison (1989) "Polewards Microtubule Flux in the Mitotic Spindle: Evidence from Photoactivation of Fluorescence," J. Cell Biol. 109:637-652		
95	Zheng <i>et al.</i> (1995) "Nucleation of microtubule assembly by a γ -tubulin-containing ring complex," Nature 378:578-583		
96	Moritz <i>et al.</i> (1995) "Microtubule nucleation by γ -tubulin-containing rings in the centrosome," Nature 378:638-640		
97	Kitanishi-Yumura <i>et al.</i> (1987) "Reorganization of Microtubules During Mitosis in <i>Dictyostelium</i> : Dissociation From MTOC and Selective Assembly/Disassembly In Situ," Cell Motil. Cytoskeleton 8:106-117		
98	Keating (1997) "Microtubule release from the centrosome," Proc. Natl. Acad. Sci. USA 94:5078-5083		
99	Zhai <i>et al.</i> (1996) "Microtubule Dynamics at the G ₁ /M Transition: Abrupt Breakdown of Cytoplasmic Microtubules at Nuclear Envelope Breakdown and Implications for Spindle Morphogenesis," J. Cell Biol. 135:201-214		
100	Gradin <i>et al.</i> (1998) "Regulation of Microtubule Dynamics by Extracellular Signals: cAMP-dependent Protein Kinase Switches Off the Activity of Oncoprotein 18 in Intact Cells," J. Cell Biol. 140(1):131-141		
101	Andersen <i>et al.</i> (1997) "Mitotic chromatin regulates phosphorylation of Stathmin/Op18," Nature 389:640-643		
102	Larsson <i>et al.</i> (1997) "Control of Microtubule Dynamics by Oncoprotein 18: Dissection of the Regulatory Role of Multisite Phosphorylation during Mitosis," Mol. Cell. Biol. 17(9):5530-5539		
103	Belmont <i>et al.</i> (1996) "Identification of a Protein That Interacts with Tubulin Dimers and Increases the Catastrophe Rate of Microtubules," Cell 84(4):623-631		
104	Heusele <i>et al.</i> (1987) "Is microtubule assembly a biphasic process?" Eur. J. Biochem. 165:613-620		
105	<u>Molecular Probes Handbook Catalogue Nos. A-47, A-50, F-53, B-163, P-65, D-3923</u>		
106	Stryer (1978) "Fluorescence Energy Transfer as a Spectroscopic Ruler," Ann. Rev. Biochem. 47:819-846		
107	Taylor <i>et al.</i> (1981) "Detection of Actin Assembly by Fluorescence Energy Transfer," J. Cell Biol. 89:362-367		
108	Yamamoto <i>et al.</i> (1982) "Mechanism of Interaction of <i>Dictyostelium</i> Severin with Actin Filaments," J. Cell Biol. 95:711-719		
109	Kishino and Yanigida (1988) "Force measurements by micromanipulation of a single actin filament by glass needles," Nature 334:74-76		
110	Gupta <i>et al.</i> (1998) "Optical Amplification of Ligand-Receptor Binding Using Liquid Crystals," Science 279:2077-2080		
Examiner: <i>Amitava</i>	Date Considered: <i>02/01/2002</i>		
EXAMINER:	Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

O I P E
MAY 10 2002
P A T E N T & T R A D E M A R K O F F I C E

RECEIVED

Sheet 5 of 6

FORM PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use Several Sheets If Necessary)		Attorney Docket No.: NCSA-94765/2005 Serial No.: 09/678,222	
(37 CFR § 1.98(b))		Applicant: Ronald D. Vale et al.	
		Filing Date: 10/13/00	TECH Group Art Unit: 1648 CLIVI 1700/2900
OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)			
✓	111	Barany and Merrifield, Solid-Phase Peptide Synthesis, pp. 3-284 in <i>The peptides: Analysis, Synthesis, Biology, Vol. 2: Special methods in Peptide Synthesis, Part A</i> (1980)	
	112	Merrifield et al. (1963) "Solid Phase Peptide Synthesis. I. The Synthesis of a Tetrapeptide," J. Am. Chem. Soc. 85:2149-2156	
	113	Stewart et al. (1984) Solid Phase Peptide Synthesis, 2nd ed., Pierce Chem. Co., Rockford, IL	
	114	Narang et al. (1979) "Improved Phosphotriester Method for the Synthesis of Gene Fragments," Meth. Enzymol. 68:90-99	
	115	Brown et al. (1979) "Chemical Synthesis and Cloning of a Tyrosine tRNA Gene," Meth. Enzymol. 68:109-151	
	116	Beaucage et al. (1981) "Deoxynucleoside Phosphoramidites - A New Class of Key Intermediates for Deoxypolynucleotide Synthesis," Tetra. Lett. 22:1859-1862	
✓	117	Scopes (1982) Protein Purification, Principles and Practice, 2nd Ed., Springer-Verlag, NY	
✓	118	Deutscher (1990) Meth. Enzymol., Vol. 182: Guide to Protein Purification, Academic Press, Inc., NY	
	119	Debinski et al. (1993) "A Wide Range of Human Cancers Express Interleukin 4 (IL-4) Receptors That Can Be Targeted with Chimeric Toxin Composed of IL4 and <i>Pseudomonas</i> Exotoxin," J. Biol. Chem. 268:14065-14070	
	120	Kreitman and Pastan (1993) "Purification and Characterization of IL6-PE ^{4E} , a Recombinant Fusion of Interleukin 6 with <i>Pseudomonas</i> Exotoxin," Bioconjug. Chem. 4:581-585	
	121	Buchner et al. (1992) "A Method for Increasing the Yield of Properly Folded Recombinant Fusion Proteins: Single-Chain Immunotoxins from Renaturation of Bacterial Inclusion Bodies"	
	122	Confalonieri et al. (1995) "A 200-amino acid ATPase module in search of a basic function," BioEssays 17:639-650	
	123	Walker et al. (1982) "Distantly related sequences in the α- and β-subunits of ATP synthase, myosin, kinases and other ATP-requiring enzymes and a common nucleotide binding fold," EMBO J. 1:945-951	
✓	124	Clark-Maguire et al. (1994) "mei-1, a Gene Required for Meiotic Spindle Formation in <i>Caenorhabditis elegans</i> , Is a Member of a Family of ATPases," Genetics 136:533-546	
✓	125	Clark-Maguire et al. (1994) "Localization of the mei-1 Gene Product of <i>Caenorhabditis elegans</i> , a Meiotic-specific Spindle Component," J. Cell Biol. 126:199-209	
✓	126	Komachi et al. (1994) "The WD repeats of Tup1 interact with the homeo domain protein α2," Genes Dev. 8:2857-2867	
	127	Wall et al. (1995) "The Structure of the G Protein Heterotrimer G _{α₁} β ₁ γ ₂ ," Cell 83:1047-1058	
	128	Heuser (1980) "Protocol for 3-D Visualization of Molecules on Mica via the Quick-Freeze, Deep-Etch Technique," J. Electron Microsc. Technique 13:244-263	
	129	Heuser (1983) "Procedure for Freeze-drying Molecules Adsorbed to Mica Flakes," J. Mol. Biol. 169:155-195	
	130	Hanson et al. (1997) "Structure and Conformational Changes in NSF and Its Membrane Receptor Complexes Visualized by Quick-Freeze/Deep-Etch Electron Microscopy," Cell 90:523-535	
	131	Lin et al. (1995) "Malignant Transformation of Human Fibroblast Strain MSU-1.1 by v-ses Requires an Additional Genetic Change," Int. J. Cancer 63:140-147	
	132	Butner and Kirschner (1991) "Tau Protein Binds to Microtubules through A Flexible Array of Distributed Weak Sites," J. Cell Biol. 115:717-730	
	133	Noble et al. (1989) "The Microtubule Binding Domain of Microtubule-associated Protein MAP1B Contains a Repeated Sequence Motif Unrelated to that of MAP2 and Tau," J. Cell Biol. 109:3367-3376	
✓	134	Peters et al. (1992) "Ubiquitous Soluble Mg ²⁺ -ATPase Complex," J. Mol. Biol. 223:557-571	
✓	135	Morgan et al. (1994) "The ATPase Activity of N-Ethylmaleimide-sensitive Fusion Protein (NSF) Is Regulated by Soluble NSF Attachment Proteins," J. Biol. Chem. 269:29347-29350	
Examiner: DM Harris		Date Considered: 00 November 2002	
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

O I P E
MAY 10 2002
U.S. Patent and Trademark Office

RECEIVED

Sheet 6 of 6

FORM PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use Several Sheets If Necessary) (37 CFR § 1.98(b))		Attorney Docket No.: UCSD-04765 <i>TECHNICAL 1000/2900</i>	Serial No.: 09/673,222 <i>1000/2900</i>
		Applicant: Ronald D. Vale <i>et al.</i>	
		Filing Date: 10/13/00	Group Art Unit: 1642
136	Gilbert <i>et al.</i> (1993) "Expression, Purification, and Characterization of the <i>Drosophila</i> Kinesin Motor Domain Produced in <i>Escherichia coli</i> ," <i>Biochem.</i> 32:4677-4684		
137	Lynch <i>et al.</i> (1986) "ATPase Activities and Actin-binding Properties of Subfragments of <i>Acanthamoeba</i> Mysoin IA," <i>J. Biol. Chem.</i> 261:17156-17162		
138	Tuma and Collins (1994) "Activation of Dynamin GTPase Is a Result of Positive Cooperativity," <i>J. Biol. Chem.</i> 269:30842-30847		
139	Warnock <i>et al.</i> (1996) "Dynamic Self-assembly Stimulates Its GTPase Activity," <i>J. Biol. Chem.</i> 271:22310-22314		
140	Hanson <i>et al.</i> (1995) "The N-Ethylmaleimide-sensitive Fusion Protein and α -SNAP Induce a Conformational Change in Syntaxin," <i>J. Biol. Chem.</i> 270:16955-16961		
141	Hayashi <i>et al.</i> (1995) "Disassembly of the reconstituted synaptic vesicle membrane fusion complex <i>in vitro</i> ," <i>EMBO J.</i> 14:2317-2325		
142	Sondek <i>et al.</i> (1996) "Crystal structure of a G_A protein β dimer at 2.1 Å resolution," <i>Nature</i> 379:369-374		
143	Komachi and Johnson (1997) "Residues in the WD Repeats of Tup1 Required for Interaction with α 2," <i>Mol. Cell. Biol.</i> 17:6023-6028		
144	Gaudet <i>et al.</i> (1996) "Crystal Structure at 2.4 Å Resolution of the Complex of Transducin β and Its Regulator, Phosducin," <i>Cell</i> 87:577-588		
145	Oegema <i>et al.</i> (1995) "The Cell Cycle-dependent Localization of the CP190 Centrosomal Protein is Determined by the Coordinate Action of Two Separable Domains," <i>J. Cell Biol.</i> 131:1261-1273		
146	Iwamatsu (1992) "S-Carboxymethylation of proteins transferred onto polyvinylidene difluoride membranes followed by <i>in situ</i> protease digestion and amino acid microsequencing," <i>Electrophoresis</i> 13:142-147		
147	Wright <i>et al.</i> (1991) "Subcellular Localization and Sequence of Sea Urchin Kinesin Heavy Chain: Evidence for its Association with Membranes in the Mitotic Apparatus and Interphase Cytoplasm," <i>J. Cell Biol.</i> 113:817-833		
148	Apte and Siebert (1993) "Anchor-Ligated cDNA Libraries: A Technique for Generating a cDNA Library for the Immediate Cloning of the 5' Ends of mRNAs," <i>Biotechniques</i> 15:890-893		
149	Genbank Accession No. TT6192		
150	Harlow and Lane, <i>Antibodies: A Laboratory Manual</i> , Cold Spring Harbor Laboratory Press, Cold Spring Harbor, NY, 1988		
151	Luckow <i>et al.</i> (1993) "Efficient Generation of Infectious Recombinant Baculoviruses by Site-Specific Transposon-Mediated Insertion of Foreign Genes into a Baculovirus Genome Propagated in <i>Escherichia coli</i> ," <i>J. Virology</i> 67:4566-4579		
152	Miller <i>et al.</i> (1990) "Use of Actin Filament and Microtubule Affinity Chromatography to Identify Proteins That Bind to the Cytoskeleton," <i>Meth. Enzymol.</i> 196:303-319		
153	Williams and Lee (1982) "Preparation of Tubulin from Brain," <i>Meth. Enzymol.</i> 85B:376-385		
154	Hackney (1988) "Kinesin ATPase: Rate-limiting ADP release," <i>Proc. Natl. Acad. Sci. USA</i> 85:6314-6318		
155	Genbank Accession No. O61577, <i>August 1998</i> .		
156	Hartman <i>et al.</i> (1995) "ATPase Activity and Cloning of the Putative ATP Binding Subunit of the Microtubule Severing Protein, Katanin," <i>Mol. Biol. of the Cell</i> , Supplement to Vol. 6, Abstract 1493		
157	Mandel <i>et al.</i> (1994) "ATP depletion: a novel method to study junctional properties in epithelial tissues, II. Internalization of Na^+ , K^+ -ATPase and E-cadherin," <i>J. Cell Science</i> 107:3315-03324		
158	Ramirez <i>et al.</i> (1997) "Disruption of microtubule assembly and spindle formation as a mechanism for the induction of aneuploid cells by sodium arsenite and vanadium pentoxide," <i>Mut. Res.</i> 386:291-298		
Examiner: <i>AMY HARRIS</i>		Date Considered: <i>22 November 2002</i>	
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			